

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-059061

(43)Date of publication of application : 03.03.1998

(51)Int.Cl.

B60Q 1/068

(21)Application number : 08-220881

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(22)Date of filing : 22.08.1996

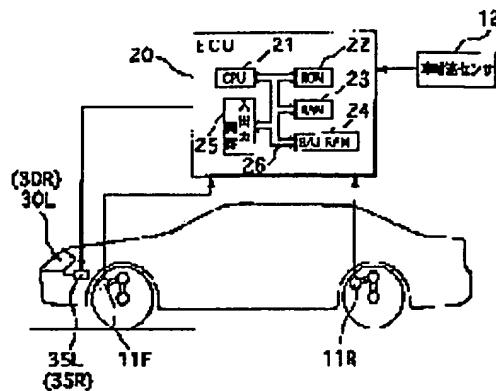
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## (54) HEADLIGHT OPTICAL-AXIS DIRECTION AUTOMATIC ADJUSTER FOR VEHICLE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To avoid improper control in the optical-axis directions of the headlights of a vehicle corresponding to the running conditions of the vehicle.

**SOLUTION:** The pitch angles of a left and a right headlight 30L and 30R with respect to the horizontal plane in the optical-axis directions are calculated on the basis of signals from height sensors 11F and 11R arranged at the front and the rear wheels of a vehicle, and actuators 35L and 35R are driven based on the pitch angles to adjust the optical-axis directions of the headlights 30L and 30R. When the vehicle is found running on a rough road, the responsiveness in adjusting the optical-axis directions of the headlights 30L and 30R is delayed. That control allowing for road-surface conditions prevents in advance the adjustment of the optical-axis directions of the headlights 30L and 30R from adversely causing glare to oncoming vehicles or a drop in distant visibility of the driver.



## LEGAL STATUS

[Date of request for examination] 05.09.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]